

Abarna_day22

```
#include <stdio.h>
int isPrime(int n)
{
    if(n<=1)
    {
        return 0;
    }

    for(int i=2;i<=n/2;i++)
    {
        if(n%i==0)
        {
            return 0;
        }
    }
    return 1;
}

int main()
{
    int num,found=0;
    printf("Enter a number:");
    scanf("%d",&num);
    for(int i=2;i<=num/2;i++)
    {
        if(isPrime(i) && isPrime(num - i))
        {
            printf("%d can be expressed as sum of %d and %d",num,i,num-i);
            found=1;
            ;
            break;
        }
    }

    if(!found)
    {
        printf("%d cannot be expressed as sum of the prime numbers",num);
    }
    return 0;
}
```